

Rio Americano High School AP Physics 1

AP1.08 Rotation

[2/2/18]

1. M 1/29 – Another Universe of Motion

__ Springboard: A New Kind of Motion
__ Read Guide: Rotational Kinematics
__ Examples: Rotational Kinematics
__ Complete Q&P < >

2. T 1/30 – Balanced Torques

__ Experiment: A Question of Balance
__ Complete Q&P < >

3. W 1/31 – Balanced Torques

__ Experiment: A Question of Balance
__ Complete Q&P < >

4. r 2/1 – Torque

__ Activity: It's All In the Wrist
__ Springboard: Torque
__ Read Guide: Rotational Dynamics I
__ Complete Q&P < >

5. F 2/2 – Rotational Inertia

__ Activity: Twin-Baton Paradox
__ Complete Job: Screwdriver
__ Complete Q&P < >

6. M 2/5 – Cons. of Momentum

__ Lab: Sit of It and Rotate! [Baird-Rio version]
__ Complete Q&P < >

7. B1 2/6 - YouTube Skepticism + Physics

__ YouTube Skepticism: Power Balance
__ YouTube Physics: *Danny MacAskill April 2009*
__ Complete Q&P < >

8. B2 2/7 – Momentum and Energy

__ Springboard: Intro to Angular Momentum
__ Read Guide: Rotational Dynamics II and III
__ Complete Q&P < >

9. r 2/8 – Walker, Physics Ranger

__ Kinetic Karnival: *Rotation* (part 2)
__ YouTube Physics: Ultimate Backyard Water Slide

10. M 2/12 – Wrap Up

Test Correction MasterMind?

11. T 2/13 – Test AP1.08: Rotation

Essentials of College Physics Textbook: Chapter 8: Rotational Equilibrium and Rotational Dynamics

Hewitt Drew It! Screencasts (phyz.org/hewittdrewit) MECHANICS: Rotational Motion — Episodes 39-43

Make Up Unit Test AP1.07 as soon as possible; no later than Friday, 2/2. AP make up tests are administered after school only. Remember, notecards cannot be used on make-up tests.

ExploratoRio is scheduled for Open House Day/Night: Wednesday, April 4. **BIG CTF Opportunity!**